

FSH Antigen, Recombinant

Catalog number	610174
Description	Recombinant Human Follicle Stimulating Hormone (FSH) protein, including both alpha and beta subunits, with a C-terminal histidine tag in the beta subunit. Predicted molecular weight: 24 kDa.
Amino acid sequence	Alpha subunit APDVQDCPECTLQENPFFSQPGAPILQCMGCCFSRAYPTPLRSKKTMLV QKNVTSESTCCVAKSYNRVTVMGGFKVENHTACHCSTCYHKS Beta subunit NSCELTNITIAIEKEECRFCISINTTWCAGYCYTRDLVYKDPARPKIQKTCTF KELVYETVRVPGCAHHADSLYTPVATQCHCGKCDSDSTDCTVRGLGPS YCSFGEMKEGSGHHHHH
Product host	Chinese hamster ovary cell line (CHO)
Product formulation	Lyophilized
Product buffer solution	Lyophilized from 50 mM Tris-HCl, 150 mM NaCl, pH 7.5
Reconstitution	Reconstitute lyophilized protein with deionized water
Storage	Storage at 2–8 °C
Analyte description	Follicle-stimulating hormone (FSH) is a heterodimeric glycoprotein secreted by the anterior pituitary gland. It is an essential hormone controlling multiple processes during development, growth, pubertal maturation, and reproduction. For example, in both males and females, FSH stimulates the maturation of germ cells. In females, FSH has a vital role in initiating follicular growth, and in the late follicular phase decrease in FSH levels seems to be a critical factor in selecting only the most advanced follicle to ovulate. FSH levels slightly rise again at the end of the luteal phase, initiating the beginning of new ovulatory cycle.
Product concentration	N/A
Purity	≥ 90% (HPLC-SEC)
Activity	≥ 3700 IU/mg (immunoassay)
Antibodies tested	Anti-h FSH 6602: + Anti-h FSH FA311: + Anti-h Alpha subunit 5501: + Anti-h Alpha subunit 5503: + Anti-h Alpha subunit 6601: +

